



ERNEST ORLANDO LAWRENCE  
BERKELEY NATIONAL LABORATORY

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**Environment, Health, & Safety  
Training Program**

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**EHS 415/419 ~ X-Ray Safety Supervisor Training**

**Course Syllabus**

**Subject Category:** Radiation Protection  
**Course Length:** 1.5 hour  
**Delivery Mode:** Class or video  
**Schedule:** Monthly or by special request  
**Location/Time:** Bldg. 75-124

**Course Prerequisite:** EHS 400  
**Medical Approval:** No

**Course Purpose:** This course is designed to provide information to LBNL supervisors on the safe use of x-ray machines.

**Course Objectives:** This course covers the following topics:

- Overview of the X-Ray Authorization at LBNL.
- Basic provisions of the X-Ray program at LBNL.
- Discuss topics specific to the duties and responsibilities of the x-ray system supervisor.

**Course Instructional Materials:**

- Overhead Projector
- VCR for video "*Double Edged Sword*".

**Instructors:**

Ted DeCastro  
Keith Heinzelman

**Training Compliance Requirements:** 10CFR835 section 901 (b), which states that each individual shall demonstrate knowledge of radiation safety topics before operating a radiation-producing machine.

**Course Handouts:** Course Handouts

**Participant Evaluation:** Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

**Written Exam:** Yes

**Practical Exam:** No

**Retraining/Recertification:** 1 year. Retraining is normally accomplished as part of the annual renewal of x-ray authorization (XA).

**Challenge Exam:** A challenge exam may be taken, in lieu of attending most of the class, by individuals with adequate prior training experience in radiation protection, a brief orientation will still be required. Contact Ted DeCastro (x5256) for information on taking the challenge exams.

**WEB Resource:** No